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NATIONAL INSTITUTES OF HEALTH

Division of Research Grants

GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

SEPTEMBER 1971



REPORT 19M

U.S. DEPARTMENT OF
HEALTH, EDUCATION AND WELFARE
Public Health Service

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PREPARED BY
NATIONAL INSTITUTES OF HEALTH
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STATISTICS AND ANALYSIS BRANCH

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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AH	DIVISION OF ALLIED HEALTH MANPOWER
AI	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES
BS	DIVISION OF BIOLOGICS STANDARDS
CA	NATIONAL CANCER INSTITUTE
CF	DIVISION OF EDUCATION AND RESEARCH FACILITIES
CL	CLINICAL CENTER
CT	DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE	NATIONAL INSTITUTE OF DENTAL RESEARCH
DH	DIVISION OF DENTAL HEALTH
ES	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
EY	NATIONAL EYE INSTITUTE
GM	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HE	NATIONAL HEART AND LUNG INSTITUTE
JT	JOINT (TWO OR MORE SUPPORTING INSTITUTES OR DIVISIONS)
LM	NATIONAL LIBRARY OF MEDICINE
MB	OFFICE OF THE DIRECTOR, BHME
ME	DIVISION OF HEALTH MANPOWER EDUCATION SERVICES
MI	DIVISION OF MANPOWER INTELLIGENCE
NS	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
NU	DIVISION OF NURSING
OD	OFFICE OF THE DIRECTOR, NIH
PE	DIVISION OF PHYSICIAN AND HEALTH PROFESSIONS EDUCATION
PM	DIVISION OF PHYSICIAN MANPOWER
RG	DIVISION OF RESEARCH GRANTS
RR	DIVISION OF RESEARCH RESOURCES
RS	DIVISION OF RESEARCH SERVICES
TW	FOGARTY INTERNATIONAL CENTER

SYMBOLS USED TO IDENTIFY TYPE OR LEVEL OF FELLOWSHIP AND RESEARCH CAREER PROGRAM AWARD

THE ABBREVIATION FOLLOWING THE DEPARTMENT OR PROJECT TITLE IDENTIFIES THE TYPE AND/OR LEVEL OF AWARD.

F01	PREDOCTORAL FELLOWSHIP
F02	POSTDOCTORAL FELLOWSHIP
F03	SPECIAL (INDIVIDUAL) FELLOWSHIP
F04	NURSING FELLOWSHIP
F05	INTERNATIONAL FELLOWSHIP
F10	FELLOWSHIP TRAINEESHIP
F11	DIRECT TRAINEESHIP
F13	HEALTH SCIENCE SCHOLAR
F15	FOGARTY INTERNATIONAL SCHOLARSHIP
K04	MODIFIED RESEARCH CAREER DEVELOPMENT AWARD
K07	ACADEMIC CAREER AWARD
K08	CLINICAL INVESTIGATOR CAREER AWARD

NIH SUMMARY OF NEW GRANTS AND AWARDS ANNOUNCED DURING SEPTEMBER 1971

INSTITUTE OR DIVISION	RESEARCH # GRANTS	RESEARCH CONTRACTS	RESEARCH TRAINING		RESEARCH FELLOWSHIPS		RESEARCH PROGRAM AWARDS		EDUCATION		CONSTRUCTION		MEDICAL LIBRARY	
			NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS
AH	0	1	35,270	0	0	0	0	0	0	0	0	0	0	0
AI	5	137,253	0	0	1	25,073	0	0	0	0	0	0	0	0
AM	40	1,380,363	0	0	4	30,100	3	51,250	0	0	0	0	0	0
CA	14	520,255	12	2,471,867	0	0	0	0	0	0	0	0	0	0
DE	0	0	1	51,150	0	1	11,000	0	0	0	0	0	0	0
DH	2	29,498	1	6,100	0	0	0	0	3	242,388	0	0	0	0
ES	3	53,688	0	0	0	0	0	0	0	0	0	0	0	0
EY	6	257,775	0	0	0	0	0	0	0	0	0	0	0	0
GM	16	655,093	1	25,000	0	0	0	0	0	0	0	0	0	0
HD	17	889,860	0	0	0	0	0	0	0	0	0	0	0	0
HE	33	1,305,184	2	56,986	0	0	0	0	0	0	0	0	0	0
LM	0	0	2	206,000	0	0	0	0	0	0	0	0	0	0
MB	0	0	4	42,448	0	0	0	0	0	0	0	0	0	0
NS	4	164,181	1	46,425	0	0	0	0	0	0	0	0	0	0
NU	5	140,868	0	0	0	0	0	0	0	0	0	0	0	0
PE	0	0	1	2,500	0	0	0	0	0	0	0	0	0	0
RR	1	32,743	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	146	5,566,761	26	2,943,746	0	6	66,173	3	51,250	3	242,388	0	0	0

* DIRECT COSTS ONLY

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
HE 14510-01	URRY, DAN W	ARTERIOSCLEROSIS AND THE CALCIFICATION OF ELASTIN	33,510
INSTITUTION TOTAL	1		33,510
CITY TOTAL	1		33,510
STATE TOTAL	1		33,510
CALIFORNIA			
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
AM 15650-01	MAC KENZIE, MALCOLM R	STUDIES OF AUTOIMMUNE HEMOLYTIC ANEMIA	19,370
INSTITUTION TOTAL	1		19,370
CITY TOTAL	1		19,370
LA JOLLA			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
CA 12472-01	ROBB, JAMES A	MOLECULAR MECHANISMS OF VIRAL SV40 CARCINOGENESIS	39,536
INSTITUTION TOTAL	1		39,536
CITY TOTAL	1		39,536
LOS ANGELES			
CEDARS-SINAI MEDICAL CENTER			
AM 15631-01	SCHOENFELD, LESLIE J	HEPATIC AND BILIARY ALTERATIONS IN CHOLELITHIASIS	81,000
INSTITUTION TOTAL	1		81,000
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
HE 14333-01	FONKALSROD, ERIC W	EXPERIMENTAL AND CLINICAL LUNG TRANSPLANTATION	45,000
AM 15220-01	GOLDBERG, LEONARD S	CELL-MEDIATED IMMUNE MECHANISMS IN PERNICIOUS ANEMIA	27,654
HD 05765-01	REEDER, LEO G	THE INFLUENCE OF MINORITY STATUS ON NON-WHITE FERTILITY	2,500
INSTITUTION TOTAL	3		75,154

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA LOS ANGELES UNIVERSITY OF SOUTHERN CALIFORNIA AM 15022-01	DUBNOFF, JACOB W	B12 DERIVATIVES ON GROWTH AND DEVELOPMENT UNDER STRESS	30,953
INSTITUTION TOTAL	1		30,953
CITY TOTAL	5		187,107
SAN FRANCISCO UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO GM 18470-01 NU 00410-01	BLAISDELL, F WILLIAM MC LAUGHLIN, FRANK E	TRAUMA CENTER PROGRAM PROJECT INTERPERSONAL FEEDBACK AND LEADERSHIP IN SMALL GROUPS	190,436 17,780
INSTITUTION TOTAL	2		208,216
CITY TOTAL	2		208,216
STANFORD STANFORD UNIVERSITY AI 10293-01	STROBER, SAMUEL	CELL MODEL FOR THE INITIATION OF ANTIBODY RESPONSES	31,013
INSTITUTION TOTAL	1		31,013
CITY TOTAL	1		31,013
TORRANCE LOS ANGELES COUNTY DEPARTMENT OF HOSPITALS--LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL HE 14344-01	KATILCOVE, HERMAN E	PLATELET FUNCTION AND ADENINE NUCLEOTIDE METABOLISM	26,362
INSTITUTION TOTAL	1		26,362
CITY TOTAL	1		26,362
STATE TOTAL	11		511,604
COLORADO DENVER UNIVERSITY OF COLORADO HE 14317-01	BANCHERO, NATALIO	CARDIAC OUTPUT DISTRIBUTION HYPOXIA	14,745
INSTITUTION TOTAL	1		14,745
CITY TOTAL	1		14,745
FORT COLLINS COLORADO STATE UNIVERSITY AM 15552-01	BANKS, WILLIAM J, JR	A NEW MODEL FOR CHONDROGENIC AND OSTEOGENIC STUDIES	22,208

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	22,208	
CITY TOTAL	1	22,208	
STATE TOTAL	2	36,953	
CONNECTICUT			
NEW HAVEN			
JOHN B. PIERCE FOUNDATION OF CONNECTICUT		AIR POLLUTANTS--LUNG PHYSIOLOGY AND LUNG BIOCHEMISTRY	19,025
HE 14534-01	BOUHUYS, AREND		
INSTITUTION TOTAL	1	19,025	
YALE UNIVERSITY			
AM 15511-01	POWLEY, TERRY L	HYPOTHALAMIC CONTROL OF BODY WEIGHT AND FEEDING	30,500
EY 00785-01	SEARS, MARVIN L	VISION RESEARCH CENTER	134,394
INSTITUTION TOTAL	2	164,894	
CITY TOTAL	3	183,919	
STORRS			
UNIVERSITY OF CONNECTICUT			
NS 09904-01	MUGNAINI, ENRICO	DEVELOPMENTAL MORPHOLOGY AND SYNAPTOGENESIS	71,877
INSTITUTION TOTAL	1	71,877	
CITY TOTAL	1	71,877	
STATE TOTAL	4	255,796	
DELAWARE			
NEWARK			
UNIVERSITY OF DELAWARE			
DH 00203-01	ROTHMAN, ROBERT A	OBSCURESCENCE OF PROFESSIONAL EXPERTISE AMONG DENTISTS	10,510
INSTITUTION TOTAL	1	10,510	
CITY TOTAL	1	10,510	
STATE TOTAL	1	10,510	
DIST OF COL			
WASHINGTON			
GEORGETOWN UNIVERSITY			
AM 15553-01	PRINCIOTTO, JCSEPH V	RETICULOCYTE RECEPTOR - TRANSFERRIN REACTION	32,084
INSTITUTION TOTAL	1	32,084	

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

CITY TOTAL 1 32,084
STATE TOTAL 1 32,084

FLORIDA
GAINESVILLE
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA
AM 15623-01 RENNERT, OWEN M POLYSACCHARIDE METABOLISM IN CYSTIC FIBROSIS

18,724

INSTITUTION TOTAL 1 18,724
CITY TOTAL 1 18,724

MIAMI
UNIVERSITY OF MIAMI
GM 18767-01 HOLADAY, DUNCAN A METHOXYFLURANE INDUCED RENAL INSUFFICIENCY
HE 14434-01 PRESSMAN, BERTON C IONOPHORE ACTION ON HEART AND OTHER MEMBRANE SYSTEMS
HE 14360-01 RYAN, JAMES W SYNTHESIS AND METABOLISM OF VASOACTIVE POLYPEPTIDES

23,865
58,383
90,503

INSTITUTION TOTAL 3 172,751
CITY TOTAL 3 172,751
STATE TOTAL 4 191,475

GEORGIA
ATHENS
UNIVERSITY OF GEORGIA
HD 06143-01 THOMPSON, PETER E GENETIC SEX DETERMINATION

13,740

INSTITUTION TOTAL 1 13,740
CITY TOTAL 1 13,740

ATLANTA
EMORY UNIVERSITY
AM 15736-01 WARREN, W DEAN PHYSIOLOGY OF OPERATIONS FOR PORTAL HYPERTENSION

74,000

INSTITUTION TOTAL 1 74,000
CITY TOTAL 1 74,000
STATE TOTAL 2 87,740

HAWAII
HONOLULU
UNIVERSITY OF HAWAII
NU 00403-01 FELTON, GERALDENE RHYTHMIC CORRELATES OF SHIFT WORK

28,967

INSTITUTION TOTAL 1 28,967
CITY TOTAL 1 28,967
STATE TOTAL 1 28,967

ILLINOIS
CARBONDALE
SOUTHERN ILLINOIS UNIVERSITY
HD 05989-01 SCULLY, GERALD W. THE ECONOMIC FACTOR IN FERTILITY CHANGES

9,529

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL CITY TOTAL	1 1	29,529 29,529	
ILLINOIS			
CHICAGO			
HEKTOEN INSTITUTE FOR MEDICAL RESEARCH OF THE COOK COUNTY HOSPITAL			
GM 19180-01	LONG, DAVID M	BRONCHOGRAPHY WITH BROMINATED FLUOROCARBON--A NEW AGENT	62,253
INSTITUTION TOTAL	1	62,253	
MICHAEL REESE HOSPITAL AND MEDICAL CENTER			
HE 14460-01	PICK, RUTH	ATHEROSCLEROSIS STUDIES IN VIVO AND IN CELL CULTURE	77,773
INSTITUTION TOTAL	1	77,773	
NORTHWESTERN UNIVERSITY			
AM 15467-01	SMITH, DAVID W	TRANSFER RNA AND HEMOGLOBIN SYNTHESIS TRNA METHYLATION	27,253
INSTITUTION TOTAL	1	27,253	
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER			
CA 11437-01A2	HASS, GEORGE M	MAGNESIUM DEFICIENCY, LEUKOCYTOSIS, LYMPHOMA, LEUKEMIA	24,700
CA 12640-01	KINGSPE, WILLIAM H	SOUTHEASTERN CANCER STUDY GROUP	35,458
INSTITUTION TOTAL	2	60,158	
UNIVERSITY OF CHICAGO			
CA 12561-01	WEISS, SAMUEL B	VIRUS DEVELOPMENT AND TRANSLATIONAL CONTROL	17,343
INSTITUTION TOTAL	1	17,343	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
HE 14412-01	HARRIS, WILLARD S	CARDIAC TOXICITY OF AEROSOL PROPELLANTS	36,646
INSTITUTION TOTAL	1	36,646	
CITY TOTAL	7	281,426	
MAYWOOD			
LOYOLA UNIVERSITY			
HE 14540-01	FILKINS, JAMES P	MACROPHAGE LYSOSOMES AND HOST DEFENSE IN ENDOTOXEMIA	27,358
INSTITUTION TOTAL	1	27,358	
CITY TOTAL	1	27,358	
URBANA			
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA			
HE 14273-01	KUMMEROW, FRED A	FUNCTION OF ELONGATED T-FATTY ACIDS IN TISSUE LIPIDS	23,356

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS URBANA UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA GN 18636-01	TEIPEL, JOHN W	ASSEMBLY OF MULTI-SUBUNIT ENZYMES	18,200
INSTITUTION TOTAL	2	41,556	
CITY TOTAL	2	41,556	
STATE TOTAL	11	379,869	
INDIANA BLOOMINGTON INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT BLOOMINGTON GN 18708-01	GRANDALL, MARJORIE A	COMPLEMENTARY GLYCOPROTEINS	21,934
INSTITUTION TOTAL	1	21,934	
CITY TOTAL	1	21,934	
GOSHEN GOSHEN COLLEGE GN 18680-01	JACOBS, MERLE E	EFFECT OF BETA-ALANINE ON BEHAVIOR	14,393
INSTITUTION TOTAL	1	14,393	
CITY TOTAL	1	14,393	
LAFAYETTE PURDUE UNIVERSITY AM 15641-01	WHISTLER, ROY L	BIOCHEMISTRY OF 5-THIO-D-GLUCOSE	27,183
INSTITUTION TOTAL	1	27,183	
CITY TOTAL	1	27,183	
NOTRE DAME UNIVERSITY OF NOTRE DAME RR 00009-01	WAGNER, MORRIS	RESPONSE OF GNUTOBIOTES TO SPECIFIED MICROBIAL FLORAS	32,743
INSTITUTION TOTAL	1	32,743	
CITY TOTAL	1	32,743	
STATE TOTAL	4	96,253	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
IOWA IOWA CITY UNIVERSITY OF IOWA HD 06104-01 HE 14781-01	KORENMAN, STANLEY G SPECTOR, ARTHUR A	STUDIES OF FOLLICULAR MATURATION LIPID DEPOSITION IN MAMMALIAN CELLS	58,705 35,970
INSTITUTION TOTAL CITY TOTAL	2 2	94,675 94,675	
STATE TOTAL	2	94,675	
LOUISIANA NEW ORLEANS LOUISIANA STATE UNIVERSITY SYSTEM--LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS HE 14496-01	STRONG, JACK P	GEOGRAPHIC PATHOLOGY OF ATHEROSCLEROSIS	40,000
INSTITUTION TOTAL TULANE UNIVERSITY CA 13214-01	1 STJERNHOLM, RUNE L	40,000 METABOLISM BY NORMAL AND LEUKEMIC LEUKOCYTES	24,210
INSTITUTION TOTAL CITY TOTAL	1 2	24,210 64,210	
STATE TOTAL	2	64,210	
MAINE BAR HARBOR JACKSON LABORATORY AM 15587-01	GREEN, EARL L	MODEL OF CYSTIC FIBROSIS	27,996
INSTITUTION TOTAL CITY TOTAL	1 1	27,996 27,996	
STATE TOTAL	1	27,996	
MARYLAND BALTIMORE JOHNS HOPKINS UNIVERSITY NU 00412-01 AM 15603-01	KIRBY, NELL A WALSER, MACKENZIE	TEACHING SPINAL CORD INJURED PEOPLE - EXPLORATORY STUDY THERAPEUTIC VALUE OF AUGMENTED NITROGEN REUTILIZATION	25,276 52,500
INSTITUTION TOTAL CITY TOTAL	2 2	77,776 77,776	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MARYLAND CHESTERTOWN WASHINGTON COLLEGE FY 00807-01	DAVIDSON, PHILIP W	ACTIVE HANDLING AND MEMORY FOR FORM BY THE BLIND	4,862
INSTITUTION TOTAL	1		4,862
CITY TOTAL	1		4,862
STATE TOTAL	3		82,638
MASSACHUSETTS AMHERST UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS AT AMHERST HE 14270-01	CHEN, JAMES C W	METAL AND LIGAND BINDINGS IN HEMOPROTEINS AND ENOLASE	31,621
INSTITUTION TOTAL	1		31,621
CITY TOTAL	1		31,621
BOSTON BOSTON BIOMEDICAL RESEARCH INSTITUTE AM 14728-01A1	ELZINGA, MARSHALL	STRUCTURE-FUNCTION STUDIES ON ACTIN AND MYOSIN	34,500
INSTITUTION TOTAL	1		34,500
BOSTON UNIVERSITY AM 15403-01	GRASSO, JOSEPH A	STUDIES IN RBC DIFFERENTIATION	26,500
INSTITUTION TOTAL	1		26,500
HARVARD UNIVERSITY HD 06047-01	YOSHINAGA, KOJI	UTERINE SENSITIVITY AND ITS ASSOCIATED PHENOMENA	32,881
INSTITUTION TOTAL	1		32,881
PASSACHUSETTS GENERAL HOSPITAL AM 15646-01	COGGINS, CECIL H	STUDY OF THE ADULT IDIOPATHIC NEPHROTIC SYNDROME	48,700
AM 15601-01	HARRIS, WILLIAM H	BONE STRENGTH, MASS AND FORMATION PHOSPHATE EFFECT	24,000
AM 15599-01	HARRIS, WILLIAM H	STIMULATION OF BONE GROWTH	24,000
INSTITUTION TOTAL	3		96,700
NEW ENGLAND MEDICAL EY 00772-01	CENTER HOSPITALS BAUM, JULES L	HISTOCHEMISTRY OF CORNEAL DISEASE IN TISSUE CULTURE	32,947
INSTITUTION TOTAL	1		32,947
UNIVERSITY HOSPITAL HE- 13654-01A1	COFFMAN, JAY D	ANTIPLATELET REGIMES IN PERIPHERAL ARTERIOSCLEROSIS	28,410
INSTITUTION TOTAL	1		28,410
CITY TOTAL	8		251,938

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS WALTHAM BRANDEIS UNIVERSITY GM 18689-01	SUSSMAN, MAURICE	GENETICS AND BIOCHEMISTRY OF DEVELOPMENT	58,581
INSTITUTION TOTAL	1		58,581
CITY TOTAL	1		
STATE TOTAL	10		342,140
MICHIGAN ANN ARBOR UNIVERSITY OF MICHIGAN AM 15206-01	BERNSTEIN, I A	NEOPLASTIC AND HYPERPLASTIC EPIDERMAL METABOLISM	49,463
INSTITUTION TOTAL	1		49,463
CITY TOTAL	1		
DETROIT WAYNE STATE UNIVERSITY HU 06136-01 CA 12782-01	FOOR, W EUGENE KRABBENHOFT, KENNETH L	BASIC STUDIES IN REPRODUCTION EXPLURATORY STUDY-RADIOTHERAPY-DETROIT MEDICAL CENTER	22,924 97,510
INSTITUTION TOTAL	2		120,434
CITY TOTAL	2		120,434
EAST LANSING MICHIGAN STATE UNIVERSITY HE 14774-01	EMERSON, THOMAS E, JR	ROLE OF CEREBRAL CIRCULATION AND CNS IN SHOCK	14,537
INSTITUTION TOTAL	1		14,537
CITY TOTAL	1		
STATE TOTAL	4		184,434
MINNESOTA AUSTIN UNIVERSITY OF MINNESOTA ES 00645-01	PRIVETT, ORVILLE S	TOXICANT ACTION OF OZONE IN MAMMALIAN TISSUES	19,138
INSTITUTION TOTAL	1		19,138
CITY TOTAL	1		

NIH
RESEARCH GRANTS #

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MINNESOTA MINNEAPOLIS UNIVERSITY OF MINNESOTA AM 15539-01	NAJARIAN, JOHN S	IMMUNOABSORBENT TO MODIFY HYPERACUTE REJECTION	22,200
INSTITUTION TOTAL	1	22,200	
CITY TOTAL	1	22,200	
ROCHESTER MAYO FOUNDATION HE 14302-01	OWEN, CHARLES A, JR	INDUCED CHRONIC INTRAVASCULAR COAGULATION	20,000
INSTITUTION TOTAL	1	20,000	
CITY TOTAL	1	20,000	
STATE TOTAL	2	41,338	
MISSISSIPPI JACKSON UNIVERSITY OF MISSISSIPPI HE 14306-01	COWLEY, ALLEN W, JR	QUANTITATIVE ANALYSIS OF THE RENIN-ANGIOTENSIN SYSTEM	26,817
INSTITUTION TOTAL	1	26,817	
CITY TOTAL	1	26,817	
STATE TOTAL	1	26,817	
MISSOURI COLUMBIA UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA HD 06129-01	LIBERTY, MARGOT P	CHEYENNE-OMAHA-SEMINOLE INDIAN POPULATION STUDY	24,295
INSTITUTION TOTAL	1	24,295	
CITY TOTAL	1	24,295	
SAINT LOUIS UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT SAINT LOUIS HD 06139-01	DERBY, ALBERT	HORMONES AND METAMORPHOSIS	5,799
INSTITUTION TOTAL	1	5,799	
WASHINGTON UNIVERSITY AM 15531-01	HILLMAN, RICHARD E	MEMBRANE TRANSPORT OF AMINO ACIDS	29,473

NIH
RESEARCH GRANTS *DOLLARS
AWARDED

GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

MISSOURI
SAINT LOUIS
WASHINGTON UNIVERSITY
HD 05680-01 RAO, BANTWAL R
AM 15541-01 ROBSON, ALAN M

STERIOD BINDING PROTEINS AND HORMONAL MECHANISMS
GLOMERULAR PERMEABILITY IN RENAL DISEASE

31,016
48,004

INSTITUTION TOTAL 3 108,493
CITY TOTAL 4 114,292

STATE TOTAL 5 138,587

NEBRASKA
LINCOLN
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA AT LINCOLN
GM 18796-01 GUPTA, NABA K

GENETIC CODE, PROTEIN SYNTHESIS IN MAMMALIAN SYSTEMS

38,664

INSTITUTION TOTAL 1 39,664
CITY TOTAL 1 38,664

STATE TOTAL 1 38,664

NEW HAMPSHIRE
HANOVER
DARTMOUTH COLLEGE
HE 14330-01 REMMERS, JOHN E

NEURAL MECHANISMS CONTROLLING MOTOR ACT OF BREATHING

11,967

INSTITUTION TOTAL 1 11,967
CITY TOTAL 1 11,967

STATE TOTAL 1 11,967

NEW JERSEY
NEWARK
NEW JERSEY COLLEGE OF MEDICINE AND DENTISTRY
AM 15443-01 MORSE, BERNARD S

REGULATION OF ERYTHROID MATURATION

33,402

INSTITUTION TOTAL 1 33,402
CITY TOTAL 1 33,402

PRINCETON
PRINCETON UNIVERSITY
GM 18776-01 LAEMMLI, ULRICH K

BACTERIOPHAGE T4 MORPHOGENESIS AND THE PACKING OF DNA

47,577

INSTITUTION TOTAL 1 47,577

NTH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	47,577	
STATE TOTAL	2	80,979	
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
CA 12213-01	SAIKI, JOHN H	SOUTHWEST CANCER CHEMOTHERAPY STUDY GROUP	7,455
INSTITUTION TOTAL	1	7,455	
CITY TOTAL	1	7,455	
LAS CRUCES			
NEW MEXICO STATE UNIVERSITY			
DH 00211-01	PETTIBONE, TIMOTHY J	DENTAL HEALTH CARE MODELS OF SOUTHWEST CULTURES	18,988
INSTITUTION TOTAL	1	18,988	
CITY TOTAL	1	18,988	
STATE TOTAL	2	26,443	
NEW YORK			
ALBANY			
UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE			
AM 15281-01	RODGERS, JOHN B, JR	EFFECTS OF ETHANOL ON LIPID ABSORPTION AND METABOLISM	14,580
AM 15676-01	STEINER, ALTON L	PHYSIOLOGIC ROLES OF CYCLIC GMP AND CYCLIC AMP	42,987
INSTITUTION TOTAL	2	57,567	
CITY TOTAL	2	57,567	
NEW YORK			
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
AM 15525-01	ZANJANI, ESMAIL D	REGULATION OF ERYTHROPOIESIS IN THE FETUS AND ADULT	26,900
INSTITUTION TOTAL	1	26,900	
COLUMBIA UNIVERSITY			
HE 14779-01	HILAL, SADEK K	SYMPOSIUM ON SMALL VESSELS ANGIOGRAPHY	13,050
GM 18803-01	HILAL, SADEK K	SYMPOSIUM ON SMALL VESSELS ANGIOGRAPHY	12,530
AM 15519-01	PEREIRA, GERARD P	BEHAVIOR OF RETICULAR CELLS IN GERMINAL CENTER GENESIS	17,047
CA 12126-01	RIVLIN, RICHARD S	REGULATORY MECHANISMS IN NORMAL AND NEOPLASTIC CELLS	15,900
EY 00759-01	SPECTOR, ABRAHAM	STUDIES OF THE EFFECTS OF AGING ON THE OCULAR LENS	46,325
INSTITUTION TOTAL	5	104,852	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK NEW YORK CORNELL UNIVERSITY HE 13921-01	HEINEMANN, HENRY O	INTERACTION BETWEEN ELECTROLYTES AND RESPIRATION	50,210
INSTITUTION TOTAL FORDHAM UNIVERSITY HE 14453-01	1 HERSKOVITS, THEODORE TIBOR	50,210 DENATURATION OF THE HEMOGLOBINS BY THE UREAS	36,100
INSTITUTION TOTAL LONG ISLAND UNIVERSITY GM 18035-01A1	1 ROGERS, DONALD W	36,100 HEATS OF HYDROGENATION OF LARGE MOLECULES	8,250
INSTITUTION TOTAL NEW YORK CITY HEALTH NS 09955-01	1 SERVICES ADMINISTRATION---PUBLIC HEALTH RESEARCH INSTITUTE SCHWARTZ, JAMES H	8,250 BIOCHEMICAL STUDIES IN IDENTIFIED NEURONS	38,324
INSTITUTION TOTAL POPULATION COUNCIL HD 05671-01	1 SEGAL, SHELDON J	38,324 CENTER FOR POPULATION RESEARCH	385,424
INSTITUTION TOTAL ROCKEFELLER UNIVERSITY HE 13572-01A1	1 ZABRISKIE, JOHN B	385,424 CELLULAR AND HUMORAL REACTIONS IN TRANSPLANTATION	17,670
INSTITUTION TOTAL TEACHERS COLLEGE HD 03828-01A2	1 BLOOM, LOTS	17,670 LANGUAGE DEVELOPMENT STRUCTURE AND FUNCTION	29,450 697,180
INSTITUTION TOTAL CITY TOTAL	1 13	29,450 697,180	
ROCHESTER UNIVERSITY OF ROCHESTER AM 15365-01	KIMMICH, GEORGE A	MECHANISM OF SODIUM-DEPENDENT METABOLITE TRANSPORT	22,400
INSTITUTION TOTAL CITY TOTAL	1 1	22,400 22,400	
STONY BROOK STATE UNIVERSITY OF NEW YORK AT STONY BROOK NS 10322-01	MEDELSON, MARTIN	CONTROL OF RHYTHMIC MOTOR FUNCTION	15,980
INSTITUTION TOTAL CITY TOTAL	1 1	15,980 15,980	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK SYRACUSE STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER GM 18248-01 AM 14644-01	MC AFEE, JOHN G ROBERTSON, DOUGLAS R	RADIOISOTOPIC SCREENING METHODS FOR RENAL DISEASE ENDOCRINE MECHANISMS OF THE ULTIMOBRANCHIAL BODY	56,522 23,190
INSTITUTION TOTAL CITY TOTAL	2 2	79,712 79,712	
TROY RENSSELAER POLYTECHNIC INSTITUTE GM 18869-01 EY 00800-01	FEE, JAMES A KANDEL, GILLKAY L	STUDY ON THE MECHANISM OF SUPEROXIDE DISMUTASE PHOTOPIC AND SCOTOPIC VISION OF STRABISMIC AMBLYOPIA	30,020 19,300
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	2 2 21	49,320 49,320 922,159	
NORTH CAROLINA CHAPEL HILL UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL AM 15350-01	POWELL, DON W	MECHANISMS OF INTESTINAL SECRETION	44,000
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	1 1 1	44,000 44,000 44,000	
OHIO CINCINNATI AMERICAN NEUROLOGICAL ASSOCIATION NS 10335-01	YAHN, MELVIN D	JOINT COMMISSION ON NEUROLOGY	38,000
INSTITUTION TOTAL UNIVERSITY OF CINCINNATI ES 00649-01	1 MANALIS, RICHARD S	38,000 EFFECT OF LEAD AND MERCURY IONS ON A CHEMICAL SYNAPSE	
INSTITUTION TOTAL CITY TOTAL	1 2	9,142 47,142	9,142
CLEVELAND CASE WESTERN RESERVE UNIVERSITY HE 13990-01	KOLETSKY, SIMON	ETIOLOGY OF EXPERIMENTAL HYPERTENSION	39,810

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OHIO			
INSTITUTION TOTAL	1	39,810	
CLEVELAND			
ST. LUKE'S HOSPITAL OF THE UNITED METHODIST CHURCH			
AT 10501-01	LEON, MYRON A	CELLULAR PATHWAYS IN DELAYED HYPERSENSITIVITY	9,597
INSTITUTION TOTAL	1	9,597	
CITY TOTAL	2	49,407	
COLUMBUS			
OHIO STATE UNIVERSITY			
AM 15649-01	METZ, EARL N	CONTROL OF THE HEXOSE MONOPHOSPHATE SHUNT IN RED CELLS	14,060
INSTITUTION TOTAL	1	14,060	
CITY TOTAL	1	14,060	
STATE TOTAL	5	110,609	
OKLAHOMA			
OKLAHOMA CITY			
ENDOCRINE SOCIETY			
CA 12902-01	WILHELMI, ALFRED E	SUPPORT OF 4TH INTERNATIONAL CONGRESS OF ENDOCRINOLOGY	17,500
INSTITUTION TOTAL	1	17,500	
CITY TOTAL	1	17,500	
STATE TOTAL	1	17,500	
OREGON			
CORVALLIS			
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY			
AM 15645-01	DYSON, ROBERT D	INBORN ERRORS AND PYRUVATE KINASE ISOZYMES	29,887
INSTITUTION TOTAL	1	29,887	
CITY TOTAL	1	29,887	
PUEBLO			
PUEBLO MEDICAL RESEARCH FOUNDATION OF OREGON			
HD 05950-01	CASILLAS, EDMUND R	SPERMATOZOAL METABOLISM A ROLE FOR CARNITINE	19,960
INSTITUTION TOTAL	1	19,960	
CITY TOTAL	1	19,960	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	2	49,847	
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY			
AM 15658-01	JEFFERSON, LEONARD S, JR	REGULATION OF SKELETAL MUSCLE METABOLISM	28,000
HE 14297-01	NAEYE, RICHARD L	THE ARTERIOLAR BASIS FOR MICROCIRCULATORY DISORDERS	19,090
INSTITUTION TOTAL	2	47,090	
CITY TOTAL	2	47,090	
PHILADELPHIA			
ALBERT EINSTEIN MEDICAL CENTER			
AM 14914-01	TABACHNICK, JOSEPH	ORIGIN AND METABOLISM OF PYROGLUTAMIC ACID IN EPIDERMIS	24,434
INSTITUTION TOTAL	1	24,434	
PRESBYTERIAN-UNIVERSITY OF PENNSYLVANIA MEDICAL CENTER			
CA 12639-01	GARDNER, FRANK H	SOUTHEASTERN CANCER STUDY GROUP	31,821
INSTITUTION TOTAL	1	31,821	
TEMPLE UNIVERSITY			
EY 00784-01	MOTE, MICHAEL I	CELLULAR BASIS OF VISUAL INTEGRATION	19,947
INSTITUTION TOTAL	1	19,947	
THOMAS JEFFERSON UNIVERSITY			
HE 14566-01	MARTINEZ, JOSE	PROTHROMBIN AND FIBRINOGEN IN HYPERCOAGULABLE STATES	20,351
INSTITUTION TOTAL	1	20,351	
UNIVERSITY OF PENNSYLVANIA			
AM 15441-01	CCOPER, RICHARD A	DISORDERS OF THE RED CELL MEMBRANE IN DISEASES	61,099
AM 15279-01	CORRIERE, JOSEPH N, JR	URINARY PARTICLE SCANNING IN URINARY TRACT DISEASE	25,200
HD 05427-01	EASTERLIN, RICHARD A	RURAL FERTILITY DECLINE IN NORTHERN AMERICA	66,953
INSTITUTION TOTAL	3	153,252	
CITY TOTAL	7	249,805	
PITTSBURGH			
MAGEE-WOMEN'S HOSPITAL			
HD 05791-01	LEVITT, MONTE J	ANALYSIS OF SUB-MICROGRAM AMOUNTS OF PROSTAGLANDINS	21,245
INSTITUTION TOTAL	1	21,245	
UNIVERSITY OF PITTSBURGH			
AI 10490-01	CYPRESS, RAYMOND H	IMMUNITY TO A PARASITIC NEMATODE	13,820

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
PITTSBURGH			
UNIVERSITY OF PITTSBURGH	VAUGHAN, MAURICE H, JR	REGULATION OF HGPRT-ASE	29,800
AM 15360-01			
INSTITUTION TOTAL	2	43,620	
CITY TOTAL	3	64,865	
STATE TOTAL	12	361,760	
TENNESSEE			
KNOXVILLE			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE		PRIMORDIAL GERM CELLS IN DEVELOPING MAMMALIAN EMBRYO	14,590
HD 06022-01	JEON, KWANG W		
INSTITUTION TOTAL	1	14,590	
CITY TOTAL	1	14,590	
NASHVILLE			
VANDERBILT UNIVERSITY		INVESTIGATIONS TOWARD A RATIONAL THERAPY FOR G6PD DEFICIENCY	20,400
AM 15491-01	VAN EYS, JAN	FACTORS INFLUENCING INFORMATION-DISCLOSURE TO NURSES	17,929
NU 00426-01	WALLSTON, KENNETH A		
INSTITUTION TOTAL	2	38,329	
CITY TOTAL	2	38,329	
STATE TOTAL	3	52,919	
TEXAS			
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL SCHOOL AT DALLAS		LEFT VENTRICULAR FUNCTION IN EXERCISE	18,160
HE 14355-01	HORWITZ, LAWRENCE D	MECHANISMS OF DRUG ACTION IN VASCULAR SMOOTH MUSCLE	21,324
HE 14775-01	WEISS, GEORGE B		
INSTITUTION TOTAL	2	39,484	
CITY TOTAL	2	39,484	
HOUSTON			
UNIVERSITY OF HOUSTON		TOTAL SYNTHESIS OF ANTIFUNGAL ANTIBIOTICS	21,031
GM 18759-01	WELCH, STEVEN C		
INSTITUTION TOTAL	1	21,031	

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

TEXAS
HOUSTON
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT HOUSTON
CA 12673-01 CLARK, R LEE
CA 12957-01 COPELAND, MURRAY M

20,447
51,616

INSTITUTION TOTAL 2 72,063
CITY TOTAL 3 93,094

SAN ANTONIO
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL SCHOOL AT SAN ANTONIO
HE 14305-01 SMITH, KENDALL O

35,885

INSTITUTION TOTAL 1 35,885
CITY TOTAL 1 35,885
STATE TOTAL 6 168,463

UTAH
PROVO
BRIGHAM YOUNG UNIVERSITY
AT 10588-01 ANDERSEN, FERRON L
GM 18816-01 IZATT, REED M

41,141
35,000

INSTITUTION TOTAL 2 76,141
CITY TOTAL 2 76,141

SALT LAKE CITY
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH
HE 13738-01A1 KOLFF, WILLEM J

319,011

INSTITUTION TOTAL 1 319,011
VETERANS ADMINISTRATION HOSPITAL
NU 00408-01 DYER, ELAINE D

50,916

INSTITUTION TOTAL 1 50,916
CITY TOTAL 2 369,927
STATE TOTAL 4 446,068

WASHINGTON
PULLMAN
WASHINGTON STATE UNIVERSITY
HD 06192-01 REEVES, JERRY J

40,749

PHYSIOLOGICAL STUDIES OF HYPOTHALAMIC HORMONES

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WASHINGTON PULLMAN WASHINGTON STATE UNIVERSITY GM 18831-01	SCHROEDER, ALICE L	DNA MAINTENANCE SYSTEMS	15,837
INSTITUTION TOTAL CITY TOTAL	2 2	56,586 56,586	
SEATTLE CHILDREN'S ORTHOPEDIC HOSPITAL AND MEDICAL CENTER CA 12487-01	HARTMANN, JOHN R	CHILDRENS CANCER STUDY GROUP A - STATISTICAL CENTER	69,979
INSTITUTION TOTAL PROVIDENCE HOSPITAL HE 14389-01	1 VIGGERS, ROBERT F	69,979 BALL OCCLUDER OSCILLATION IN HEART VALVE PROSTHESES	9,600
INSTITUTION TOTAL UNIVERSITY OF WASHINGTON AI 10494-01 ES 00677-01 HE 14777-01	1 MARCHIORO, THOMAS L MOTTET, N KARLE WIEDERHIELM, CURT A	9,600 HOST RESPONSE TO ORGAN HOMOGRAFTS METHYL MERCURY TERATOGENESIS CEREBRAL MICROCIRCULATION	41,682 25,408 16,650
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	3 5 7	83,740 163,319 219,905	
WISCONSIN MADISON UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN AT MADISON HD 06084-01 AM 15512-01	BORGATTIA, EDGAR F RIESELBACH, RICHARD E	ROLE DEFINITIONS AND POTENTIAL FOR CHANGE UNIVERSITY OF WISCONSIN PROGRAM PROJECT IN NEPHROLOGY	90,100 130,600
INSTITUTION TOTAL CITY TOTAL	2 2	220,700 220,700	
MILWAUKEE MEDICAL COLLEGE OF WISCONSIN HE 14378-01 AM 15527-01	BARBORIAK, JOSEPH J FRERMAN, FRANK E	LIPIDMIAS AND RECONSTRUCTIVE CARDIAC SURGERY STUDIES ON LIPID TRANSPORT	26,290 14,112
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	2 2 4	40,402 40,402 261,102	

NIH
RESEARCH GRANTS *DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PUERTO RICO SAN JUAN UNIVERSITY OF PUERTO RICO SYSTEM--UNIVERSITY OF CA 12223-01A1 VELEZ-GARCIA, ENRIQUE O			
INSTITUTION TOTAL	1		66,780
CITY TOTAL	1		66,780
STATE TOTAL	1		66,780
TOTAL	146		5,566,761

* DIRECT COSTS ONLY

66,780

NIH
RESEARCH CONTRACTS

ACTUAL APPLICATION NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
COLORADO				
BOULDER				
WESTERN INTERSTATE COMMISSION FOR HIGHER EDUCATION				
NIH -72-4018	BUNNELL, KEVIN P	DEVELOPMENT OF A CONSORTIUM OF MEDICAL SCHOOLS	MB	12,710
INSTITUTION TOTAL	1			
CITY TOTAL	1			
STATE TOTAL	1			
DIST OF COL.				
WASHINGTON				
NATIONAL ACADEMY OF SCIENCES				
PH-43-64-44	KELLY, WILLIAM C	SUPPORT FOR NATIONAL BOARD ON GRADUATE EDUCATION	GM	25,000
INSTITUTION TOTAL	1			
SMALL BUSINESS ADMINISTRATION				
NIH -71-4057		EQUAL EMPLOYMENT OPPORTUNITY ORGANIZATION DEV CONFERENCE	MB	9,428
NIH -71-4057		EQUAL EMPLOYMENT OPPORTUNITY ORGANIZATION DEV CONFERENCE	MB	10,882
NIH -71-4057		EQUAL EMPLOYMENT OPPORTUNITY ORGANIZATION DEV CONFERENCE	MB	9,428
INSTITUTION TOTAL	3			
CITY TOTAL	4			
STATE TOTAL	4			
ILLINOIS				
PRAIRIE VIEW				
BIO LABS, INC.				
NIH -72-2007	GOODHEART, CLYDE R	HIGH PURITY HERPESVIRAL DNA FOR HYBRIDIZATION TEST	CA	9,091
INSTITUTION TOTAL	1			
CITY TOTAL	1			
STATE TOTAL	1			
INDIANA				
INDIANAPOLIS				
INDIANA HEALTH CAREERS INC.				
NIH -72-4001	DAVIDSON, JANIS L	FUTURE OF HEALTH-TRAINED VETERANS	AI	35,270
INSTITUTION TOTAL	1			
CITY TOTAL	1			
STATE TOTAL	1			

NIH
RESEARCH CONTRACTS

ACTUAL APPLICATION NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
MARYLAND				
BETHESDA				
ELECTRO-NUCLEONICS LABORATORIES				
NIH -72-2025		ELECTRON MICROSCOPY SERVICES	CA	2,900
INSTITUTION TOTAL 1				
INTERNATIONAL BUSINESS MACHINES CORPORATION		2,900		
NIH -72-4700		SYSTEMS ENGINEERING SERVICES	LM	30,000
INSTITUTION TOTAL 1				
CITY TOTAL 2		30,000		
		32,900		
RIVERDALE				
WOLF RESEARCH AND DEVELOPMENT CORPORATION				
NIH -71-2270	WEISS, THEODORE	IMPLEMENT DATA PROCESSING SYSTEM	CA	67,265
NIH -71-2270	WEISS, THEODORE	DATA PROCESSING SERVICES	CA	111,948
NIH -71-2270	WEISS, THEODORE	STUDY SERUM INVENTORY SYSTEM	CA	127,300
INSTITUTION TOTAL 3				
CITY TOTAL 3		306,513		
		306,513		
STATE TOTAL 5				
		339,413		
MASSACHUSETTS				
ROSTON				
MASSACHUSETTS GENERAL HOSPITAL				
NIH -72-2012	BLACK, PAUL	ACTIVATION OF C-PARTICLES AND INDUCTION OF CANCER	CA	74,370
INSTITUTION TOTAL 1				
CITY TOTAL 1		74,370		
CAMBRIDGE				
MASSACHUSETTS INSTITUTE OF TECHNOLOGY				
NIH -72-2017		QUANTIFICATION OF SIZE OF INFARCTED MYOCARDIUM	HE	40,800
INSTITUTION TOTAL 1				
CITY TOTAL 1		40,800		
		40,800		
WILMINGTON				
CHARLES RIVER BREEDING LABORATORIES				
NIH -72-2004		MAINTAIN GENETIC CENTER	CA	692,575
INSTITUTION TOTAL 1				
CITY TOTAL 1		692,575		
		692,575		

NIH
RESEARCH CONTRACTS

ACTUAL APPLICATION NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
STATE TOTAL	3	807,745		
MICHIGAN				
ANN ARBOR				
UNIVERSITY OF MICHIGAN				
NIH -72-2018	EPSTEIN, FREDERICK H	CORONARY HEART DISEASE COOPERATIVE STUDY	HE	16,186
INSTITUTION TOTAL	1	16,186		
CITY TOTAL	1	16,186		
STATE TOTAL	1	16,186		
MINNESOTA				
ROCHESTER				
MAYO FOUNDATION				
NIH -72-2000	FONTANA, R S	DETECTION AND LOCALIZATION OF BRONCHOGENIC CARCINOMA	CA	216,580
INSTITUTION TOTAL	1	216,580		
CITY TOTAL	1	216,580		
STATE TOTAL	1	216,580		
NEW YORK				
BUFFALO				
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE				
NIH -72-2014	HOLLAND, JAMES F	STIMULATION OF IMMUNITY AGAINST TUMORS	CA	135,700
INSTITUTION TOTAL	1	135,700		
CITY TOTAL	1	135,700		
NEW YORK				
COMMERCE CLEARING HOUSE				
NIH -72-4003	FOX, KELLY	STATE LEGISLATIVE REPORTING SERVICE	DH	6,100
INSTITUTION TOTAL	1	6,100		
CITY TOTAL	1	6,100		
ROCHESTER				
INDIVIDUAL AWARD--CHARNEY, EVAN				
NIH -72-4030	CHARNEY, EVAN	MANUSCRIPT ON RESIDENCY & INTERNSHIP IN PRIMARY MED CARE	PE	2,500
INSTITUTION TOTAL	1	2,500		
CITY TOTAL	1	2,500		

NIH
RESEARCH CONTRACTS

ACTUAL APPLICATION NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
STATE TOTAL	3	144,300		
PENNSYLVANIA				
PHILADELPHIA				
AUERBACH CORPORATION				
NIH -72-2023	FRICKER, CHARLES	PREPARATION OF NATIONAL CANCER PLAN	CA	735,138
INSTITUTION TOTAL	1	735,138		
CITY TOTAL	1	735,138		
STATE TOTAL	1	735,138		
VIRGINIA				
ALEXANDRIA				
COMPUTING AND SOFTWARE				
NIH -72-2011		COMPUTER SERVICES	NS	46,425
INSTITUTION TOTAL	1	46,425		
CITY TOTAL	1	46,425		
GREAT FALLS				
BAKER HISTOLOGY LABORATORY				
NIH -72-2024	BAKER, E C	PROCESSING OF BIOLOGICAL TISSUES ONTO SLIDES	CA	96,000
INSTITUTION TOTAL	1	96,000		
CITY TOTAL	1	96,000		
SPRINGFIELD				
MELOY LABORATORIES				
NIH -72-4702		PREPARATION OF MEDLARS CITATIONS	LM	176,000
INSTITUTION TOTAL	1	176,000		
CITY TOTAL	1	176,000		
STATE TOTAL	3	318,425		
WISCONSIN				
MADISON				
UNIVERSITY OF WISCONSIN SYSTEM				
NIH -72-2022	HEIDELBERGER, CHARLES	INDUCED NEOPLASIA IN VIVO AND IN VITRO	CA	203,000
INSTITUTION TOTAL	1	203,000		
CITY TOTAL	1	203,000		

NIH
RESEARCH CONTRACTS

ACTUAL APPLICATION NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
STATE TOTAL	1	203,000		
DENMARK				
AARHUS				
UNIVERSITY OF AARHUS				
NIH -72-2005				
LONGITUDINAL STUDY OF CHLORHEXIDINE				
INSTITUTION TOTAL	1	51,150	DE	51,150
CITY TOTAL	1	51,150		
STATE TOTAL	1	51,150		
TOTAL	26	2,943,746		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
AM 51228-01	BROWN, WILLIAM E	BIOPHYSICS	F02
AM 51321-01	DAWSON, DAVID C	PHYSIOLOGY	F02
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 2			
NEW YORK			
BUFFALO			
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
DE 51206-01	CUTLER, LESLIE S	PATHOLOGY	F03
INSTITUTION TOTAL 1			
CITY TOTAL 1			
NEW YORK			
ROCKEFELLER UNIVERSITY			
AI 52070-01	HAYWOOD, ANNE M	MICROBIOLOGY	F03
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 2			
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN AT MADISON			
AM 50729-01	FRANTZ, WILLIAM L	BIOCHEMISTRY	F03
AM 50338-01	GHAZARIAN, HAGUP G	BIOCHEMISTRY	F02
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 2			
TOTAL 6			

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	AREA OF TRAINING	PROGRAM
GEORGIA ATLANTA EMORY UNIVERSITY AM 29899-01	HERSEY, STEPHEN J	CELL PHYSIOLOGY	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
OHIO CLEVELAND CASE WESTERN RESERVE UNIVERSITY AM 70031-01	ZULL, JAMES E	INTERNAL MEDICINE	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
WASHINGTON SEATTLE UNIVERSITY OF WASHINGTON AM 47142-01	FUJIMOTO, WILFRED Y	ENDOCRINOLOGY	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	3		

NIH
EDUCATION GRANTS

DOLLARS
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	
CALIFORNIA			
LUMA LINDA			
LUMA LINDA UNIVERSITY			
DH 08022-01A1	DUPPER, GILBERT	(TEAM) TRAINING IN EXPANDED AUXILIARY MANAGEMENT	

INSTITUTION TOTAL	1		66,852
CITY TOTAL	1		66,852

66,852

SAN FRANCISCO			
UNIVERSITY OF THE PACIFIC			
DH 08029-01	JOHNSON, CARL E	(TEAM) TRAINING IN EXPANDED AUXILIARY MANAGEMENT	

INSTITUTION TOTAL	1		116,100
CITY TOTAL	1		116,100
STATE TOTAL	2		182,952

116,100

PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO SYSTEM--UNIVERSITY OF PUERTO RICO AT SAN JUAN			
DH 08030-01	SOJO, LUIS A	(TEAM) TRAINING IN EXPANDED AUXILIARY MANAGEMENT	

INSTITUTION TOTAL	1		59,436
CITY TOTAL	1		59,436
STATE TOTAL	1		59,436
TOTAL	3		242,388

59,436

[illegible]

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REPORT 19M

**U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE**
Public Health Service

U.S. NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During
OCTOBER 1971

PREPARED BY

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

STATISTICS AND ANALYSIS BRANCH

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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AH	DIVISION OF ALLIED HEALTH MANPOWER
AI	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES
BS	DIVISION OF BIOLOGICS STANDARDS
CA	NATIONAL CANCER INSTITUTE
CF	DIVISION OF EDUCATION AND RESEARCH FACILITIES
CL	CLINICAL CENTER
CT	DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE	NATIONAL INSTITUTE OF DENTAL RESEARCH
DH	DIVISION OF DENTAL HEALTH
ES	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH/SCIENCES
EY	NATIONAL EYE INSTITUTE
GM	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HE	NATIONAL HEART AND LUNG INSTITUTE
JT	JOINT (TWO OR MORE SUPPORTING INSTITUTES OR DIVISIONS)
LM	NATIONAL LIBRARY OF MEDICINE
MB	OFFICE OF THE DIRECTOR, BHME
ME	DIVISION OF HEALTH MANPOWER EDUCATION SERVICES
MI	DIVISION OF MANPOWER INTELLIGENCE
NS	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
NU	DIVISION OF NURSING
OD	OFFICE OF THE DIRECTOR, NIH
PE	DIVISION OF PHYSICIAN AND HEALTH PROFESSIONS EDUCATION
PM	DIVISION OF PHYSICIAN MANPOWER
RG	DIVISION OF RESEARCH GRANTS
RR	DIVISION OF RESEARCH RESOURCES
RS	DIVISION OF RESEARCH SERVICES
TW	FOGARTY INTERNATIONAL CENTER

SYMBOLS USED TO IDENTIFY TYPE OR LEVEL OF FELLOWSHIP AND RESEARCH CAREER PROGRAM AWARD

THE ABBREVIATION FOLLOWING THE DEPARTMENT OR PROJECT TITLE IDENTIFIES THE TYPE AND/OR LEVEL OF AWARD.

F02	POSTDOCTORAL FELLOWSHIP
F03	SPECIAL (INDIVIDUAL) FELLOWSHIP
F04	NURSING FELLOWSHIP
F05	INTERNATIONAL FELLOWSHIP
F10	FELLOWSHIP TRAINEESHIP
F11	DIRECT TRAINEESHIP
F13	HEALTH SCIENCE SCHOLAR
F15	FOGARTY INTERNATIONAL SCHOLARSHIP
K04	MODIFIED RESEARCH CAREER DEVELOPMENT AWARD
K07	ACADEMIC CAREER AWARD
K08	CLINICAL INVESTIGATOR CAREER AWARD

SUMMARY OF NEW GRANTS AND AWARDS ANNOUNCED DURING OCTOBER 1971

INSTITUTE OR DIVISION	RESEARCH * GRANTS		RESEARCH CONTRACTS		RESEARCH TRAINING GRANTS		RESEARCH FELLOWSHIPS		RESEARCH CAREER PROGRAM AWARDS		EDUCATION GRANTS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS	
	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS
AI	3	85,180	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AM	12	242,028	0	0	0	0	3	23,000	0	0	0	0	0	0	0	0
CA	26	815,341	4	487,466	0	0	0	0	0	0	0	0	0	0	0	0
DE	0	0	2	210,372	0	0	0	0	0	0	0	0	0	0	0	0
EY	1	13,920	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GM	0	0	1	754,392	0	0	0	0	0	0	0	0	0	0	0	0
HD	10	279,830	1	92,459	0	0	0	0	0	0	0	0	0	0	0	0
HE	3	89,337	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LM	0	0	1	84,378	0	0	0	0	0	0	0	0	0	0	3	9,370
NS	1	35,687	1	29,830	0	0	1	11,800	0	0	0	0	0	0	0	0
RR	2	630,054	1	29,165	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	58	2,191,377	11	1,688,062	0	0	4	34,800	0	0	0	0	0	0	3	9,370

* DIRECT COSTS ONLY

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ARKANSAS LITTLE ROCK UNIVERSITY OF ARKANSAS MEDICAL CENTER EY 00891-01	FRAUNFELDER, FREDERICK T	TREATMENT OF INTRAOCULAR TUMORS	13,920
INSTITUTION TOTAL	1	13,920	
CITY TOTAL	1	13,920	
STATE TOTAL	1	13,920	
CALIFORNIA DUARTE CITY OF HOPE MEDICAL CENTER CA 12631-01	TODD, CHARLES W	IMMUNOLOGY AND IMMUNOCHEMISTRY OF TUMOR ANTIGENS	63,021
INSTITUTION TOTAL	1	63,021	
CITY TOTAL	1	63,021	
IRVINE UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE CA 12643-01	SCHNEIDERMAN, HOWARD A	GENETICALLY-CONTROLLED MALIGNANT NEOPLASMS	26,993
INSTITUTION TOTAL	1	26,993	
CITY TOTAL	1	26,993	
LA JOLLA UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO CA 12473-01	SELL, STEWART	A MODEL SYSTEM FOR THE STUDY OF TUMOR ASSOCIATED ANTIGENS	25,107
CA 12671-01	VON ESSEN, CARL F	UCSD RADIATION THERAPY EXPLORATORY STUDY	40,920
INSTITUTION TOTAL	2	66,027	
CITY TOTAL	2	66,027	
LOS ANGELES UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES HD 06071-01	CLARK, WILLIAM R	CONTROL OF DIFFERENTIATION IN PETAL ENDOCRINE B-CELLS	30,187
INSTITUTION TOTAL	1	30,187	
CITY TOTAL	1	30,187	
OAKLAND CHILDREN'S HOSPITAL MEDICAL CENTER OF NORTHERN CALIFORNIA AM 15446-01	NASSET, EDMUND S	NUTRITIONAL SIGNIFICANCE OF AMINO ACID HOMEOSTASIS	31,600

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	31,600	
CITY TOTAL	1	31,600	
CALIFORNIA			
SANTA CRUZ			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SANTA CRUZ			
HD 06110-01	MC ELRATH, DENNIS C	URBANIZATION, LIFE STYLE, AND FERTILITY	20,418
INSTITUTION TOTAL	1	20,418	
CITY TOTAL	1	20,418	
STATE TOTAL	7	238,246	
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
CA 12347-01A1	CREASEY, WILLIAM A	STUDIES ON ANTITUMOR AGENTS FROM PLANTS	18,185
INSTITUTION TOTAL	1	18,185	
CITY TOTAL	1	18,185	
STATE TOTAL	1	18,185	
FLORIDA			
GAINESVILLE			
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA			
CA 12657-01	RAO, KOPPAKA V	SYNTHESIS OF STREPTONIGRIN AND RELATED COMPOUNDS	21,866
INSTITUTION TOTAL	1	21,866	
CITY TOTAL	1	21,866	
STATE TOTAL	1	21,866	
GEORGIA			
ATHENS			
UNIVERSITY OF GEORGIA			
HD 05891-01	WILLIAMS, WILLIAM L	BIOCHEMISTRY OF REPRODUCTION AND CONTRACEPTION	34,000
INSTITUTION TOTAL	1	34,000	
CITY TOTAL	1	34,000	
STATE TOTAL	1	34,000	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
AI 10580-01	HOPPER, JOHN E	STUDIES ON GENETIC CONTROL OF IMMUNOGLOBULIN SYNTHESIS	27,309
INSTITUTION TOTAL	1	27,309	
CITY TOTAL	1	27,309	
URBANA			
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA			
AN 19556-01	KATZENELLENBOGEN, JOHN A	UTERINE ESTROGEN RECEPTOR--AFFINITY LABELING	14,620
INSTITUTION TOTAL	1	14,620	
CITY TOTAL	1	14,620	
STATE TOTAL	2	41,929	
MAINE			
BAR HARBOR			
JACKSON LABORATORY			
HD 05860-01	ELEPHERIOU, BASIL E	ENVIRONMENT, GENETICS, AND PHEROMONAL OVULATION	23,626
INSTITUTION TOTAL	1	23,626	
CITY TOTAL	1	23,626	
STATE TOTAL	1	23,626	
MASSACHUSETTS			
BOSTON			
MASSACHUSETTS GENERAL HOSPITAL			
CA 12749-01	WEINTRAUB, BRUCE D	ECTOPIC PRODUCTION OF PLACENTAL PEPTIDE HORMONES	33,365
INSTITUTION TOTAL	1	33,365	
NEW ENGLAND DEACONESS HOSPITAL			
HD 06106-01	FEDERMAN, MICHELINE	CHANGES IN CELL TYPE & STRUCTURE IN DEVELOPING BONE	32,974
INSTITUTION TOTAL	1	32,974	
CITY TOTAL	2	66,339	
STATE TOTAL	2	66,339	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
ME 14408-01	SPARKS, HARVEY V	ATHEROSCLEROSIS AND RADIO FREQUENCY IRRADIATION	23,460

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	23,460	
CITY TOTAL	1	23,460	
STATE TOTAL	1	23,460	
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA	ESTENSEN, RICHARD D	MECHANISMS OF CYTOPLASMIC DIVISION	17,431
CA 12607-01	STUTMAN, OSIAS	IMMUNE SURVEILLANCE AND CANCER	31,744
CA 12865-01			
INSTITUTION TOTAL	2	49,175	
CITY TOTAL	2	49,175	
STATE TOTAL	2	49,175	
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE	SOKOL, HILDA W	NEUROENDOCRINE INTERACTIONS IN DIABETES INSIPIDUS	20,820
AM 14996-01A1			
INSTITUTION TOTAL	1	20,820	
CITY TOTAL	1	20,820	
STATE TOTAL	1	20,820	
NEW JERSEY			
NEWARK			
NEW JERSEY COLLEGE OF MEDICINE AND DENTISTRY	VITALE, LEONARD F	CHILDRENS CANCER STUDY GROUP A	13,885
CA 12637-01			
INSTITUTION TOTAL	1	13,885	
CITY TOTAL	1	13,885	
STATE TOTAL	1	13,885	
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF HEALTH	GREENWALD, PETER	CANCER EPIDEMIOLOGY PROGRAM GRANT	109,774
CA 12707-01			
INSTITUTION TOTAL	1	109,774	
CITY TOTAL	1	109,774	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
COLUMBIA UNIVERSITY			
HD 06081-01	COMITAS, LAMBROS	FEMALE EMPLOYMENT AND FERTILITY IN BARBADOS	9,829
CA 12781-01	DUFFY, PHILIP E	BRAIN TUMOR CULTURE, ELECTRONMICROSCOPY, AND POLYAMINES	17,073
CA 12715-01	FRANE, JOHN D	CANCER AMONG MISSIONARIES IN ETHIOPIA AND NIGERIA	10,720
RR 00645-01	LARAGH, JOHN H	GENERAL CLINICAL RESEARCH CENTER	588,940
HD 05585-01	LEWIS, ROBERT A	STUDIES IN POPULATION CHANGE	19,649
HE 14799-01	REZEMTSMA, KEITH	HEART TRANSPLANTATION: IMMUNOLOGIC AND PHYSIOLOGIC STUDIES	50,000
AM 15647-01	WOODS, STEPHEN C	NEURAL CONTROL OF INSULIN SECRETION	16,807
INSTITUTION TOTAL			713,018
NEW YORK CITY HEALTH			
AI 10455-01	SERVICES ADMINISTRATION--PUBLIC HEALTH RESEARCH INSTITUTE OSLER, ABRAHAM G	IN VITRO STUDIES OF REAGINIC ALLERGY	36,325
INSTITUTION TOTAL	1	36,325	
CITY TOTAL	8	749,343	
ROCHESTER			
UNIVERSITY OF ROCHESTER			
RR 00658-01	KRAUS, ALAN L	STUDIES OF LABORATORY ANIMAL DISEASES	41,114
CA 12790-01	LICHTMAN, MARSHALL A	SUBSTRATE TRANSPORT IN HUMAN LEUKOCYTES	23,600
INSTITUTION TOTAL	2	64,714	
CITY TOTAL	2	64,714	
SYRACUSE			
STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER			
CA 12660-01	OLER, ALBERT	ADAPTATION DURING CARCINOGENESIS	34,231
INSTITUTION TOTAL	1	34,231	
CITY TOTAL	1	34,231	
STATE TOTAL	12	958,062	
OHIO			
CINCINNATI			
UNIVERSITY OF CINCINNATI			
AM 15585-01	SEIDEN, GEORGE	MECHANISM OF INHIBITION OF ACTH SECRETION BY STEROIDS	9,400
INSTITUTION TOTAL	1	9,400	
CITY TOTAL	1	9,400	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OHIO SPRINGFIELD WITTENBERG UNIVERSITY HE 14123-01	SHAPPER, CHARLES F	IN VIVO STORAGE OF HEARTS FOR HOMOTRANSPLANTATION	15,877
INSTITUTION TOTAL	1		15,877
CITY TOTAL	1		15,877
STATE TOTAL	2		25,277
OKLAHOMA OKLAHOMA CITY ENDOCRINE SOCIETY AM 15363-01	WILHELM, ALFRED E	SUPPORT OF 4TH INTERNATIONAL CONGRESS OF ENDOCRINOLOGY	22,500
INSTITUTION TOTAL	1		22,500
CITY TOTAL	1		22,500
STILLWATER OKLAHOMA STATE UNIVERSITY CA 12857-01	EBNER, KURT E	FUNCTION AND INTERACTIONS OF MAMMARY CARCINOMA CELLS	18,060
INSTITUTION TOTAL	1		18,060
CITY TOTAL	1		18,060
STATE TOTAL	2		40,560
OREGON PORTLAND MEDICAL RESEARCH FOUNDATION OF OREGON HD 06069-01	BEATTY, CLARISSA H	EFFECTS OF PROSTAGLANDINS ON MYOMETRIAL METABOLISM	11,983
INSTITUTION TOTAL	1		11,983
CITY TOTAL	1		11,983
STATE TOTAL	1		11,983
PENNSYLVANIA PHILADELPHIA TEMPLE UNIVERSITY CA 12680-01	HAUL, GERD G	DISTRIBUTION AND FUNCTION OF NUCLEAR PORES	17,450
INSTITUTION TOTAL	1		17,450

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA PHILADELPHIA THOMAS JEFFERSON UNIVERSITY CA 12248-01	KRAMER, SIMON	RADIATION THERAPY ONCOLOGY GROUP	127,338
INSTITUTION TOTAL	1		127,338
CITY TOTAL	2		144,788
PITTSBURGH UNIVERSITY OF PITTSBURGH AM 15332-01	PEINGOLD, DAVID S	STUDIES ON UDP GLUCOSE DEHYDROGENASE	23,512
INSTITUTION TOTAL	1		23,512
CITY TOTAL	1		23,512
STATE TOTAL	3		168,300
RHODE ISLAND KINGSTON UNIVERSITY OF RHODE ISLAND CA 12583-01	FISHER, HAROLD W	THE INHIBITOR OF RNA SYNTHESIS IN CONTACT INHIBITION	12,253
INSTITUTION TOTAL	1		12,253
CITY TOTAL	1		12,253
STATE TOTAL	1		12,253
SOUTH CAROLINA COLUMBIA UNIVERSITY OF SOUTH CAROLINA CA 12842-01	DUNLAP, R BRUCE	THE MECHANISM OF ACTION OF THYMIDYLATE SYNTHETASE	28,927
INSTITUTION TOTAL	1		28,927
CITY TOTAL	1		28,927
STATE TOTAL	1		28,927
TENNESSEE NASHVILLE VANDERBILT UNIVERSITY AM 15555-01 CA 12810-01	KRAMTZ, SANFORD B LEMBACH, KENNETH J	ERYTHROPOIETIN AND THE REGULATION OF ERYTHROPOIESIS PROTEASES AS GROWTH SIMULATORS OF ANIMAL CELLS	32,214 23,208
INSTITUTION TOTAL	2		55,422

DOLLARS
AWARDEDNIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	2	55,422	
STATE TOTAL	2	55,422	
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
HD 06160-01	BROWNING, HARLEY L	POPULATION RESEARCH CENTER GRANT PROPOSAL	59,893
INSTITUTION TOTAL	1	59,893	
CITY TOTAL	1	59,893	
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
CA 12759-01	KNOX, JOHN M	THE EFFECT OF ENVIRONMENTAL FACTORS ON ULTRAVIOLET INJURY	10,570
AM 15633-01	KNOX, JOHN M	PHOTODYNAMIC INACTIVATION OF HERPES SIMPLEX	10,870
INSTITUTION TOTAL	2	21,440	
CITY TOTAL	2	21,440	
STATE TOTAL	3	81,333	
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
CA 12823-01	BROOM, ARTHUR D	PYRIDO 2,3-D PYRIMIDINE NUCLEOSIDES AS ANTITUMOR AGENTS	13,023
AM 15418-01	DUNN, HAROLD K	IN VIVO STRAIN MEASUREMENT IN ORTHOPEDIC HARDWARE	20,500
INSTITUTION TOTAL	2	33,523	
CITY TOTAL	2	33,523	
STATE TOTAL	2	33,523	
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
CA 12758-01	LOONEY, WILLIAM B	MODIFICATION OF TUMOR GROWTH IN HEPATOMAS BY RADIATION	36,122
INSTITUTION TOTAL	1	36,122	
CITY TOTAL	1	36,122	

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
VIRGINIA			
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
CA 12689-01	MORAHAN, PAGE S	INTERPERON ANTAGONISTS IN TUMORS AND EMBRYONIC TISSUES	18,540
AM 15285-01	ROTHBERG, SIMON	THE BIOCHEMISTRY OF NORMAL AND PATHOLOGICAL EPIDERMIS	20,235
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
AI 10492-01	GROMAN, NEAL B	STUDIES ON VIRULENCE OF CORYNEBACTERIUM DIPHTHERIAE	21,546
HD 05669-01	SMITH, NATHAN J	INFANTILE MARASMUS--IMMUNE RESPONSE IN AN ANIMAL MODEL	37,271
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN AT MADISON			
CA 12491-01	SKIBBA, JOSEPH L	VIRAL INDUCTION OF THYMIC LYMPHOSARCOMAS IN RATS	21,935
INDIA			
BANGALORE			
INDIAN INSTITUTE OF SCIENCE			
AM 15964-01	RAMACHANDRAN, GOPALASAMUDRAM N	STUDIES ON BIOPOLYMER CHAIN CONFORMATIONS	18,950

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ISRAEL			
REHOVOTH			
WEIZMANN INSTITUTE OF SCIENCE			
NS 10048-01	SILBERBERG, ALEXANDER	MUCUS CLEARANCE IN SECRETORY OTITIS MEDIA	35,687
INSTITUTION TOTAL	1		35,687
CITY TOTAL	1		35,687
STATE TOTAL	1		35,687
TOTAL	58		2,191,377

* DIRECT COSTS ONLY

NIH
RESEARCH CONTRACTS

ACTUAL APPLICATION NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
CALIFORNIA				
LOS ANGELES				
UNIVERSITY OF SOUTHERN CALIFORNIA				
NIH -72-2032	VOGT, PETER K	CONDITIONED LETHAL MUTANT RNA TUMOR VIRUSES	CA	256,000
INSTITUTION TOTAL	1	256,000		
CITY TOTAL	1	256,000		
SANTA MONICA				
RAND CORPORATION				
NIH -72-4701	JOHNSON, LARRY	QUALITY ASSURANCE SERVICES FOR DEVELOPMENT OF MEDLARS II	LM	84,378
INSTITUTION TOTAL	1	84,378		
CITY TOTAL	1	84,378		
STATE TOTAL	2	340,378		
MARYLAND				
RIVERDALE				
WOLF RESEARCH AND DEVELOPMENT CORPORATION				
NIH -71-2270	WEISS, THEODORE	DATA PROCESSING SERVICES	CA	31,366
INSTITUTION TOTAL	1	31,366		
CITY TOTAL	1	31,366		
ROCKVILLE				
CORBEL LABORATORIES, INC				
NIH -72-2036	ALICOCK, NELSON R	PROVIDE ANIMAL HOLDING FACILITIES AND SERVICES	NS	29,830
INSTITUTION TOTAL	1	29,830		
CITY TOTAL	1	29,830		
STATE TOTAL	2	61,196		

NIH
RESEARCH CONTRACTS

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ACTUAL APPLICATION NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
MASSACHUSETTS BOSTON				
BOSTON UNIVERSITY NIH - 72-2010	JICK, HERSHEL	COLLABORATIVE DRUG SURVEILLANCE PROGRAM	GM	754,392
INSTITUTION TOTAL	1	754,392		
CITY TOTAL	1	754,392		
CAMBRIDGE COMPUK, INC				
NIH - 72-2061	SCHWARTZ, I R	COMPUTER SERIES 400 GRAPHICS TERMINAL FOR CBIH PROGRAM	RR	29,165
INSTITUTION TOTAL	1	29,165		
CITY TOTAL	1	29,165		
WAVERLY BEHAVIORAL EDUCATION PROJECTS, INC				
NIH - 72-2016	BAKER, BRUCE L	MATERIALS TO ASSIST PARENTS WORKING WITH RETARDED CHILDREN	HD	92,459
INSTITUTION TOTAL	1	92,459		
CITY TOTAL	1	92,459		
STATE TOTAL	3	876,016		

NIH
RESEARCH CONTRACTS

ACTUAL APPLICATION NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
NEW YORK				
NEW YORK				
CORNELL UNIVERSITY				
NIH -72-2041	LIPKIN, MARTIN	CONTROL OF CELL PROLIFERATION IN COLONIC TISSUE	CA	115,400
INSTITUTION TOTAL 1 115,400				
JEWISH HOSPITAL AND MEDICAL CENTER OF BROOKLYN				
NIH -72-2034	DOSIK, HARVEY	VIRAL CHROMOSOMAL ABERRATIONS IN HUMAN TUMORS	CA	84,700
INSTITUTION TOTAL 1 84,700				
CITY TOTAL 2 200,100				
ROCHFSTER				
EASTMAN DENTAL CENTER				
NIH -72-2039	BIDBY, B G	CARIOGENICITY OF SNACK FOODS	DP	115,372
INSTITUTION TOTAL 1 115,372				
CITY TOTAL 1 115,372				
STATE TOTAL 3 315,472				
SWITZERLAND				
GENEVA				
WORLD HEALTH ORGANIZATION				
NIH -72-2003	BARNES, DR.	ETIOLOGY OF DENTAL CARIES IN PAPUA-NEW GUINEA	DE	95,000
INSTITUTION TOTAL 1 95,000				
CITY TOTAL 1 95,000				
STATE TOTAL 1 95,000				
TOTAL 11 1,688,062				

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA			
SANTA CRUZ			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SANTA CRUZ			
AM 51665-01	MOORE, THOMAS S, JR	BIOCHEMISTRY	P02
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
AM 50980-01	SHERWOOD, JUDITH B	BIOLOGY	P02
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
MISSOURI			
SAINT LOUIS			
WASHINGTON UNIVERSITY			
AM 51240-01	WINDER, WILLIAM W	BIOPHYSICS	P02
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
NEW YORK			
NEW YORK			
COLUMBIA UNIVERSITY			
NS 02527-01	POLLOCK, EDWARD J	RADIOLOGY	P11
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
TOTAL 4			

NIH
MEDICAL LIBRARY GRANTS

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
GEORGIA			
CARROLLTON			
TANNER MEMORIAL HOSPITAL			
LM 01287-01	WARREN, BETTY W	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1		3,000
CITY TOTAL	1		3,000
STATE TOTAL	1		3,000
NEW HAMPSHIRE			
CONCORD			
NEW HAMPSHIRE STATE DEPARTMENT OF HEALTH AND WELFARE--NEW HAMPSHIRE HOSPITAL			
LM 01296-01	NISWANDER, G DONALD	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,370
INSTITUTION TOTAL	1		3,370
CITY TOTAL	1		3,370
STATE TOTAL	1		3,370
NEW JERSEY			
POMPTON PLAINS			
CHILTON MEMORIAL HOSPITAL			
LM 01235-01	TAYLOR, RUTH	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1		3,000
CITY TOTAL	1		3,000
STATE TOTAL	1		3,000
TOTAL	3		9,370

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MARYLAND 20014

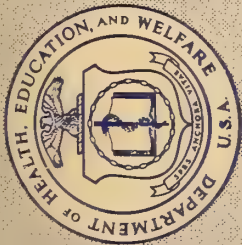
OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF H.E.W.



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REPORT 19M

**U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE**
Public Health Service

U.S.
NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

DECEMBER 1971

PREPARED BY
NATIONAL INSTITUTES OF HEALTH
DIVISION OF RESEARCH GRANTS
STATISTICS AND ANALYSIS BRANCH

150
171
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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AH	DIVISION OF ALLIED HEALTH MANPOWER
AI	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES
BS	DIVISION OF BIOLOGICS STANDARDS
CA	NATIONAL CANCER INSTITUTE
CF	DIVISION OF EDUCATION AND RESEARCH FACILITIES
CL	CLINICAL CENTER
CT	DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE	NATIONAL INSTITUTE OF DENTAL RESEARCH
DH	DIVISION OF DENTAL HEALTH
ES	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
EY	NATIONAL EYE INSTITUTE
GM	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HE	NATIONAL HEART AND LUNG INSTITUTE
JT	JOINT (TWO OR MORE SUPPORTING INSTITUTES OR DIVISIONS)
LM	NATIONAL LIBRARY OF MEDICINE
MB	OFFICE OF THE DIRECTOR, BHME
ME	DIVISION OF HEALTH MANPOWER EDUCATION SERVICES
MI	DIVISION OF MANPOWER INTELLIGENCE
NS	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
NU	DIVISION OF NURSING
OD	OFFICE OF THE DIRECTOR, NIH
PE	DIVISION OF PHYSICIAN AND HEALTH PROFESSIONS EDUCATION
PM	DIVISION OF PHYSICIAN MANPOWER
RG	DIVISION OF RESEARCH GRANTS
RR	DIVISION OF RESEARCH RESOURCES
RS	DIVISION OF RESEARCH SERVICES
TW	FOGARTY INTERNATIONAL CENTER

THE ABBREVIATION FOLLOWING THE DEPARTMENT OR PROJECT TITLE IDENTIFIES THE TYPE AND/OR LEVEL OF AWARD

F02	POSTDOCTORAL FELLOWSHIP
F03	SPECIAL (INDIVIDUAL) FELLOWSHIP
F04	NURSING FELLOWSHIP
F05	INTERNATIONAL FELLOWSHIP
F10	FELLOWSHIP TRAINEESHIP
F11	DIRECT TRAINEESHIP
F13	HEALTH SCIENCE SCHOLAR
F15	FOGARTY INTERNATIONAL SCHOLARSHIP
K04	MODIFIED RESEARCH CAREER DEVELOPMENT AWARD
K07	ACADEMIC CAREER AWARD
K08	CLINICAL INVESTIGATOR CAREER AWARD

SUMMARY OF NEW GRANTS AND AWARDS ANNOUNCED DURING DECEMBER 1971

INSTITUTE OR DIVISION	RESEARCH # GRANTS NO.	RESEARCH CONTRACTS		RESEARCH TRAINING GRANTS		RESEARCH FELLOWSHIPS		RESEARCH CAREER PROGRAM AWARDS		EDUCATION GRANTS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS	
		NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS
AH	0	0	7	153,474	0	0	0	0	0	0	0	0	0	0	0
AI	0	0	1	7,500	0	0	0	0	0	0	0	0	0	0	0
AM	2	58,230	0	0	0	7	65,101	0	0	0	0	0	0	0	0
BS	0	0	1	76,500	0	0	0	0	0	0	0	0	0	0	0
CA	8	275,732	13	1,156,128	0	7	51,400	0	0	0	0	0	0	0	0
DE	0	0	0	0	0	1	15,200	0	0	0	0	0	0	0	0
DH	0	0	1	20,000	0	0	0	0	0	0	0	0	0	0	0
ES	1	14,400	0	0	0	0	0	0	0	0	0	0	0	0	0
EY	0	0	1	20,247	0	0	0	0	0	0	0	0	0	0	0
GM	1	43,931	0	0	0	1	7,500	0	0	0	0	0	0	0	0
HD	1	44,160	1	58,275	0	9	93,476	0	0	0	0	0	0	0	0
HE	1	48,214	0	0	0	0	0	0	0	0	0	0	0	0	0
LM	0	0	6	126,995	0	0	0	0	0	0	0	0	0	0	0
MI	0	0	1	4,168	0	0	0	0	0	0	0	0	0	0	0
NS	1	54,210	0	0	0	0	0	0	0	0	0	0	0	0	0
NU	0	0	1	86,874	0	9	55,940	0	0	0	0	0	0	0	0
OD	0	0	1	262,000	0	0	0	0	0	0	0	0	0	0	0
PE	0	0	1	201,357	0	0	0	0	0	0	0	0	0	0	0
TOTAL	15	538,877	35	2,173,518	0	34	288,617	0	0	0	0	0	0	0	0

* DIRECT COSTS ONLY

SYMBOLS USED TO IDENTIFY TYPE OR LEVEL OF FELLOWSHIP AND RESEARCH CAREER PROGRAM AWARD

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA BIRMINGHAM UNIVERSITY OF ALABAMA IN BIRMINGHAM CA 12159-01	BUGG, CHARLES E	CRYSTAL STRUCTURES OF PURINE AND PYRIMIDINE ANALOGS	28,175
INSTITUTION TOTAL	1		28,175
CITY TOTAL	1		28,175
STATE TOTAL	1		28,175
CONNECTICUT NEW HAVEN YALE UNIVERSITY NS 10174-01	COLLINS, WILLIAM F, JR	FEASIBILITY STUDY OF ACUTE SPINAL TRAUMA CENTER	54,210
INSTITUTION TOTAL	1		54,210
CITY TOTAL	1		54,210
STATE TOTAL	1		54,210
DIST OF COL WASHINGTON GEORGE WASHINGTON UNIVERSITY CA 12084-01	WALKER, GLENN A	B12 ANALOGS AS CHEMOTHERAPEUTIC AGENTS	38,216
INSTITUTION TOTAL	1		38,216
CITY TOTAL	1		38,216
STATE TOTAL	1		38,216
INDIANA LAFAYETTE PURDUE UNIVERSITY CA 11715-01A1	CASSADY, JOHN M	ISOLATION AND SYNTHESIS OF POTENTIAL TUMOR INHIBITORS	22,365
INSTITUTION TOTAL	1		22,365
CITY TOTAL	1		22,365
STATE TOTAL	1		22,365
MAINE BAR HARBOR JACKSON LABORATORY CA 12663-01	BAILEY, DONALD W	GENETICS OF IMMUNE RESPONSE TO TUMOR ANTIGENS	53,555

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1		53,555
CITY TOTAL	1		53,555
STATE TOTAL	1		53,555
MASSACHUSETTS			
BOSTON			
TUFTS UNIVERSITY			
HE 14902-01	SOROFF, HARRY S	EVALUATION OF SYNCHRONOUS ASSISTANCE	48,214
INSTITUTION TOTAL	1		48,214
CITY TOTAL	1		48,214
STATE TOTAL	1		48,214
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
CA 12752-01	JONES, GEORGE H	PROTEIN SYNTHESIS IN TUMORS	18,100
INSTITUTION TOTAL	1		18,100
CITY TOTAL	1		18,100
EAST LANSING			
MICHIGAN STATE UNIVERSITY			
ES 00661-01	YANG, M G	FETAL AND NEONATAL CNS EFFECTS OF MERCURY	14,400
INSTITUTION TOTAL	1		14,400
CITY TOTAL	1		14,400
STATE TOTAL	2		32,500
NEW JERSEY			
PRINCETON			
PRINCETON UNIVERSITY			
CA 12876-01	TAYLOR, EDWARD C	CHEMICAL AND BIOCHEMICAL STUDIES OF PTERIDINES	69,821
INSTITUTION TOTAL	1		69,821
CITY TOTAL	1		69,821
STATE TOTAL	1		69,821

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK MINEOLA NASSAU HOSPITAL CA 12825-01	LI, MIN C	ENHANCING ANTI-NEOPLASTIC EFFECT ON GERM-CELL TUMORS	28,200
INSTITUTION TOTAL	1		28,200
CITY TOTAL	1		28,200
STATE TOTAL	2		45,500
NEW YORK NEW YORK UNIVERSITY CA 12122-01	PRUTKIN, LAWRENCE	VITAMIN A ACID LOCALIZATION IN THE KERATOACANTHOMA	17,300
INSTITUTION TOTAL	1		17,300
CITY TOTAL	1		17,300
STATE TOTAL	2		45,500
PENNSYLVANIA PHILADELPHIA TEMPLE UNIVERSITY AM 15515-01	VAN SCOTT, EUGENE J	PSORIASIS BIOLOGY, PSORIAGENESIS, AND LESION CONTROL	38,030
INSTITUTION TOTAL	1		38,030
CITY TOTAL	1		38,030
STATE TOTAL	3		102,161
PIITTSBURGH UNIVERSITY OF PITTSBURGH GM 18698-01 AM 15533-01	HO, CHIEN HOWELL, JOHN N	NMR STUDIES OF MEMBRANE TRANSPORT AND COMPONENTS A STUDY OF THE FUNCTION OF THE GLYCOCALYX IN MUSCLE	43,931
INSTITUTION TOTAL	2		64,131
CITY TOTAL	2		64,131
STATE TOTAL	3		102,161
VIRGINIA RICHMOND VIRGINIA COMMONWEALTH UNIVERSITY HD 06600-01	BOGDANOVE, EMANUEL M	ENDOCRINE INFLUENCING CENTERS IN THE HYPOTHALAMUS	44,160
INSTITUTION TOTAL	1		44,160
CITY TOTAL	1		44,160
STATE TOTAL	1		44,160
TOTAL	15		538,877

* DOLLARS AWARDED INCLUDE DIRECT COST ONLY

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
ALABAMA				
BIRMINGHAM				
SOUTHERN RESEARCH INSTITUTE				
NIH -72-2064	PITTMAN, W R	ORGAN CULTURE ASSAY OF VITAMIN A ANALOGS	CA	164,542
INSTITUTION TOTAL	1	164,542		
UNIVERSITY OF ALABAMA IN BIRMINGHAM				
NIH -72-4004	ABERCROMBIE, THOMAS T	EXPAND THE MEDIC PROGRAM	AH	21,518
INSTITUTION TOTAL	1	21,518		
CITY TOTAL	2	186,060		
STATE TOTAL	2	186,060		
CALIFORNIA				
CUPERTINO				
TYMSHARE				
NIH -72-4705	BEERE, MAX	TELECOMMUNICATION SYSTEM SERVICES	LM	70,000
INSTITUTION TOTAL	1	70,000		
CITY TOTAL	1	70,000		
LA JOLLA				
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO				
NIH -72-2046	REISFELD, RALPH A	SOLUBLE HUMAN TUMOR SPECIFIC ANTIGENS	CA	66,100
INSTITUTION TOTAL	1	66,100		
CITY TOTAL	1	66,100		
STANFORD				
STANFORD UNIVERSITY				
NIH -72-2049	MAURICE, CAVID M	DESIGN AND CONSTRUCTION OF A PROTOTYPE FLUOROMETER	EY	20,247
INSTITUTION TOTAL	1	20,247		
CITY TOTAL	1	20,247		
STATE TOTAL	3	156,347		
DIST OF COL				
WASHINGTON				
NATIONAL ACADEMY OF SCIENCES				
PH-43-64-44	HARMON, LINDSEY R	EFFECT OF NIH TRAINING PROGRAMS ON MEDICAL MANPOWER	OD	262,000
INSTITUTION TOTAL	1	262,000		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
DIST OF COL				
WASHINGTON				
UNITED STATES BOOK EXCHANGE				
NIH -71-4731	BALL, ALICE D	FILLING THE GAPS IN THE MISSING NLM COLLECTION	LM	7,500
INSTITUTION TOTAL 1 7,500				
CITY TOTAL 2 269,500				
STATE TOTAL 2 269,500				
ILLINOIS				
CHICAGO				
HEALTH CAREERS COUNCIL OF ILLINOIS				
NIH -72-4037	FOLEN, JOSEPH J	MEDIC PROGRAM	AH	36,000
INSTITUTION TOTAL 1 36,000				
NATIONAL OPINION RESEARCH CENTER				
NIH -72-4061	SHEATSLEY, PAUL	CONDUCT SURVEY ON PUBLIC OPINION IN DENTAL HEALTH	DH	20,000
INSTITUTION TOTAL 1 20,000				
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER				
NIH -72-2031	DIMAYCRICA, GIAMPIERO	MOLECULAR MECHANISM OF CARCINOGENESIS BY ONCOGENIC VIRUS	CA	224,200
INSTITUTION TOTAL 1 224,200				
CITY TOTAL 3 280,200				
PRAIRIE VIEW				
BIOLABS, INC.				
NIH -72-2068	GOODHEART, CLYDE R	LARGE SCALE PREPARATION OF PURIFIED ONCOGENIC HERPES VIRUSES	CA	79,090
INSTITUTION TOTAL 1 79,090				
CITY TOTAL 1 79,090				
STATE TOTAL 4 359,290				
MARYLAND				
BETHESDA				
BIONETICS RESEARCH LABORATORIES				
NIH -72-2063	KINGSBURY, ELIZABETH	EXAMINATION OF EXPERIMENTAL BIOLOGICAL MATERIAL	CA	147,708
INSTITUTION TOTAL 1 147,708				
CITY TOTAL 1 147,708				

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
MARYLAND				
RIVERDALE				
WULF RESEARCH AND DEVELOPMENT CORPORATION				
NIH -71-2270	WEISS, THEODORE	STUDY OF COLLABORATIVE RESEARCH PROJECT IN ETIOLOGY	CA	103,677
INSTITUTION TOTAL 1 103,677				
CITY TOTAL 1 103,677				
SILVER SPRING				
VITRO CORPORATION OF AMERICA--VITRO LABORATORIES DIVISION				
NIH -72-2021	CRAIN, ROBERT D	CLINICAL DATA REDUCTION	CA	49,470
INSTITUTION TOTAL 1 49,470				
CITY TOTAL 1 49,470				
STATE TOTAL 3 300,855				
MINNESOTA				
MINNEAPOLIS				
UNIVERSITY OF MINNESOTA				
NIH -72-2066	MICHAELSEN, G S	DEV COURSE IN CONTAMINATION AND PHYSICAL HAZARD CONTROL	CA	105,000
INSTITUTION TOTAL 1 105,000				
CITY TOTAL 1 105,000				
STATE TOTAL 1 105,000				
MISSISSIPPI				
JACKSON				
MISSISSIPPI DIVISION OF COMPREHENSIVE HEALTH PLANNING				
NIH -72-4009	DENSON, ROBERT	MEDIHC PROGRAM	AH	20,000
INSTITUTION TOTAL 1 20,000				
CITY TOTAL 1 20,000				
STATE TOTAL 1 20,000				
MISSOURI				
COLUMBIA				
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA				
NIH -72-4042	MARTIN, LYNN W	EXPAND THE MEDIHC PROGRAM	AH	27,326
INSTITUTION TOTAL 1 27,326				
CITY TOTAL 1 27,326				

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
STATE TOTAL	1	27,326		
NEW JERSEY				
FREEHOLD				
WORTHINGTON BIOCHEMICAL CORPORATION				
NIH -72-2067	BAKER, A LEROY	PRODUCTION OF ANTIGEN RA 3	AI	7,500
INSTITUTION TOTAL	1	7,500		
CITY TOTAL	1	7,500		
PRINCETON				
HOSPITAL RESEARCH AND EDUCATIONAL TRUST OF NEW JERSEY				
NIH -72-4032	GALLAGHER, THOMAS F	MEDIC PROGRAM	AH	20,000
INSTITUTION TOTAL	1	20,000		
CITY TOTAL	1	20,000		
STATE TOTAL	2	27,500		
NEW YORK				
NEW YORK				
ABRAHAM'S MAGAZINE SERVICE				
NIH -71-4735	WHITE, MAURICE	FILLING THE GAPS IN THE MISSING NLM COLLECTION	LM	7,500
INSTITUTION TOTAL	1	7,500		
KRAUS PERIODICALS COMPANY				
NIH -71-4732	CECERE, CHARLES	FILLING THE GAPS IN THE MISSING NLM COLLECTION	LM	10,000
INSTITUTION TOTAL	1	10,000		
NEW YORK CITY HEALTH SERVICES ADMINISTRATION--PUBLIC HEALTH RESEARCH INSTITUTE				
NIH -72-2028	BENJAMIN, THOMAS L	CELL SURFACE ALTERATIONS INDUCED BY RNA ONCOGENIC VIRUS	CA	36,800
INSTITUTION TOTAL	1	36,800		
WALTER J. JOHNSON, INC.				
NIH -71-4734	JOHNSON, HERBERT M	FILLING THE GAPS IN THE MISSING NLM COLLECTION	LM	10,000
INSTITUTION TOTAL	1	10,000		
CITY TOTAL	4	64,300		
TROY				
RENSSELAER RESEARCH CORPORATION				
NIH -72-4023	BAISUCK, ALLEN	A SURVEY OF HEALTH PROFESSIONS EDUCATIONAL FACILITIES	PE	201,357
INSTITUTION TOTAL	1	201,357		

NIH
RESEARCH CONTRACTS

INSTITUTE DOLLARS
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
CITY TOTAL	1	201,357		
STATE TOTAL	5	265,657		
NORTH CAROLINA CHAPEL HILL UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL NIH -72-4000 IBRAHIM, MICHEL A EVALUATE ROLE OF THE FAMILY NURSE PRACTITIONER				
INSTITUTION TOTAL	1	86,874	NU	86,874
CITY TOTAL	1	86,874		
STATE TOTAL	1	86,874		
OHIO COLUMBUS OHIO STATE UNIVERSITY NIH -72-2047 YOHN, DAVID S INTERACTION BETWEEN CHEMICAL AND VIRAL CARCINOGENS				
INSTITUTION TOTAL	1	75,226	CA	75,226
CITY TOTAL	1	75,226		
STATE TOTAL	1	75,226		
RHODE ISLAND PROVIDENCE RHODE ISLAND DEPARTMENT OF HEALTH NIH -72-4035 CANNON, JOSEPH E EXPAND THE MEDIC PROGRAM				
INSTITUTION TOTAL	1	19,030	AH	19,030
CITY TOTAL	1	19,030		
STATE TOTAL	1	19,030		
TEXAS SAN ANTONIO SOUTHWEST RESEARCH INSTITUTE NIH -72-2065 PITTMAN, W R FREE RADICALS AND ALKYLATING AGENTS IN TOBACCO SMOKE				
INSTITUTION TOTAL	1	89,015	CA	89,015
CITY TOTAL	1	89,015		
STATE TOTAL	1	89,015		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
VERMONT				
RANDOLPH				
HEALTH CAREERS COUNCIL OF VERMONT				
NIH -72-4044	GOUDEY, PELTON	MEDIC PROGRAM	AM	9,600
INSTITUTION TOTAL	1	9,600		
CITY TOTAL	1	9,600		
STATE TOTAL	1	9,600		
VIRGINIA				
ARLINGTON				
WESTERN UNION TELEGRAPH COMPANY				
NIH -72-4703	MCNEIL, J	TELECOMMUNICATION SYSTEM SERVICES	LM	21,995
INSTITUTION TOTAL	1	21,995		
CITY TOTAL	1	21,995		
CHARLOTTESVILLE				
UNIVERSITY OF VIRGINIA				
NIH -72-2052	YOHAN, DAVID S	STUDY OF OPTIMUM POPULATION LEVELS	HD	58,275
INSTITUTION TOTAL	1	58,275		
CITY TOTAL	1	58,275		
FREDERICKSBURG				
SHERATON-FREDERICKSBURG MOTOR INN				
NIH -72-4074	TO BE APPOINTED	CONFERENCE FACILITIES FOR EEO CONFERENCE	MI	4,168
INSTITUTION TOTAL	1	4,168		
CITY TOTAL	1	4,168		
GREAT FALLS				
RAKER HISTCLOGY LABORATORY				
NIH -72-2057	BAKER, E C	TISSUE LIBRARY-PARAFFIN BLOCKS-BIOLOGICAL MATERIALS	CA	8,100
INSTITUTION TOTAL	1	8,100		
CITY TOTAL	1	8,100		
VIENNA				
THOMPSON RAMO WOOLDRIDGE				
NIH -72-2050	DALGARD, DAN W	SUSCEPTIBILITY OF SUBHUMAN PRIMATES TO HUMAN HEPATITIS	BS	76,500
INSTITUTION TOTAL	1	76,500		

NIH
RESEARCH CONTRACTS

INSTITUTE DOLLARS AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
CITY TOTAL	1	76,500		
STATE TOTAL	5	169,038		
RELGIUM				
BRUSSELS				
UNIVERSITY OF BRUSSELS				
NIH -72-2053	TAGNON, HENRI J	LIAISON OFFICE FOR CANCER CHEMOTHERAPY	CA	7,200
INSTITUTION TOTAL	1	7,200		
CITY TOTAL	1	7,200		
STATE TOTAL	1	7,200		
TOTAL	35	2,173,518		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA BERKELEY UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY CA 52402-01	ROUBINIAN, JIRAYR R	MICROBIOLOGY	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PASADENA CALIFORNIA INSTITUTE OF TECHNOLOGY HD 52521-01	UPHOUSE, LYNDAL	CELL BIOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
COLORADO DENVER UNIVERSITY OF COLORADO MEDICAL CENTER HD 52237-01	GROSS, GARY P	PEDIATRICS OBSTETRICS AND GYNECOLOGY	F03 F03
HD 52249-01	RESNIK, ROBERT		
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
CONNECTICUT NEW HAVEN YALE UNIVERSITY CA 52304-01	BIRGE, EDWARD A	BIOLOGY	F02
INSTITUTION TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

PROGRAM

FIELD OF INTEREST

APPLICATION NUMBER FELLOW

CITY TOTAL 1
STATE TOTAL 1

FLORIDA
GAINESVILLE
VETERANS ADMINISTRATION HOSPITAL
CA 52503-01 DODGE, WILLIAM H

F02

MICROBIOLOGY

INSTITUTION TOTAL 1
CITY TOTAL 1
STATE TOTAL 1

GEORGIA
ATHENS
UNIVERSITY OF GEORGIA
CA 52525-01 DONAHOE, JOHN P

F02

MICROBIOLOGY

INSTITUTION TOTAL 1
CITY TOTAL 1
STATE TOTAL 1

ILLINOIS
CHICAGO
UNIVERSITY OF CHICAGO
NU 27451-01 SORRELLS, DONNA J
HD 52732-01 WITMAN, G 8000, III

DEVELOPMENTAL PSYCHOLOGY
CELL BIOLOGY

F04
F02

INSTITUTION TOTAL 2
CITY TOTAL 2
STATE TOTAL 2

INDIANA
BLOOMINGTON
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT BLOOMINGTON
HD 52243-01 CARROLL, CAROLE L

F02

CELL BIOLOGY

INSTITUTION TOTAL 1
CITY TOTAL 1
STATE TOTAL 1

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
NU 27439-01	GRABER, MARILYN K	SOCIAL PSYCHOLOGY	F04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
NU 27430-01	FISCHMAN, SUSAN H	MATERNAL AND CHILD HEALTH	F04
NU 27441-01	NUNEZ, MAXINE A	HEALTH ADMINISTRATION	F04
NU 27443-01	OBRIIG, ALICE M	MATERNAL AND CHILD HEALTH	F04
NU 27446-01	WHITE, CAROLINE M	HEALTH ADMINISTRATION	F04
INSTITUTION TOTAL	4		
CITY TOTAL	4		
RETHESDA			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH			
HD 52858-01	BINKLEY, SUE A	PHYSIOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
COLLEGE PARK			
UNIVERSITY OF MARYLAND			
NU 27445-01	HYMOVICH, DEBRA P	EDUCATIONAL PSYCHOLOGY	F04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	6		
MASSACHUSETTS			
BOSTON			
BOSTON UNIVERSITY			
AM 52183-01	TOBACK, FREDERICK G	RENAL DISEASES	F03
INSTITUTION TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MASSACHUSETTS			
BOSTON			
FURSYTH DENTAL CENTER			
DE 52943-01	BULKACA, JAIME	MICROBIOLOGY	F03
INSTITUTION TOTAL	1		
HARVARD UNIVERSITY			
AM 52728-01	KROES, JOHN F	NUTRITION	F02
INSTITUTION TOTAL	1		
MASSACHUSETTS GENERAL HOSPITAL			
HD 52473-01	THORNCIKE, JANET	BIOCHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	4		
CAMBRIDGE			
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
CA 52642-01	SMITH, DAVID M	BIOCHEMISTRY	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	5		
MICHIGAN			
DETROIT			
WAYNE STATE UNIVERSITY			
NU 27463-01	SMITH, JOAN H	DEVELOPMENTAL PSYCHOLOGY	F04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
AM 52623-01	SUMMERLIN, WILLIAM T	IMMUNOLOGY	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
AM 52247-01	SCHWESINGER, WAYNE H	GASTROENTEROLOGY	
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NEW YORK BUFFALO STATE UNIVERSITY OF NEW YORK AT BUFFALO CA 52613-01	LEE, GEORGE A	CHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
PENNSYLVANIA PHILADELPHIA CHILDREN'S HOSPITAL OF PHILADELPHIA AM 52595-01	PALMIERI, MICHAEL J	BIOCHEMISTRY	F02
INSTITUTION TOTAL	1		
UNIVERSITY OF PENNSYLVANIA NU 27433-01	MCGURN, WEALTHA M	SOCIOLOGY	F04
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	2		
SOUTH CAROLINA CHARLESTON MEDICAL UNIVERSITY OF SOUTH CAROLINA HD 52310-01	YANNONE, MICHAEL E	BIOCHEMISTRY	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TEXAS HOUSTON RAYLOR COLLEGE OF MEDICINE GM 51201-01	ROUFA, DONALD J	GENETICS	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

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APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
VIRGINIA CHARLOTTESVILLE UNIVERSITY OF VIRGINIA CA 52219-01	SCHUBERT, RICHARD M	CHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
WISCONSIN MADISON UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN AT MADISON AM 51320-01	MORRIS, MARGOT L	BIOCHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
CANADA MONTREAL MCGILL UNIVERSITY HD 52725-01	PADYKULA, HELEN A	PHYSIOLOGY	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
VANCOUVER UNIVERSITY OF BRITISH COLUMBIA AM 37532-01	WHITE, JOHN F	PHYSIOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
TOTAL	34		



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